

*Ideas that Change the World*RECEIVED
CENTRAL FAX CENTER

OCT 02 2006

P.O. Box 1663, LC/IP, MS A187
Los Alamos, NM 87545
(505) 667-3766
Fax: (505) 665-4424

FAX TRANSMISSION COVER SHEET**Date:** 10/02/2006**To:**

US Patent and Trademark Office

Fax: (571) 273-8300**From:** Kenneth K. Sharples
LC/IP**Phone:** (505) 667-0304**Fax:** (505) 665-4424**Re:** 10/665,455
S-100,654
Arlene A. Wise**Sender:** Sharon Ruminer

**YOU SHOULD RECEIVE (11) PAGES, INCLUDING THIS COVER SHEET.
IF YOU DO NOT RECEIVE ALL THE PAGES, PLEASE CALL (505) 665-9214.**

Comments:

Included in this facsimile transmittal are the following documents for filing in the above-identified patent application:

Fee Transmittal**Response to Supplemental Restriction Requirement and Amendment****Fee Payments Authorized: \$225.00**

IF YOU HAVE RECEIVED THIS TELECOPY IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL MESSAGE TO US AT THE ADDRESS ABOVE VIA THE UNITED STATES POSTAL SERVICES. THANK YOU.

UNCLASSIFIED**BEST AVAILABLE COPY**

RECEIVED
CENTRAL FAX CENTER

OCT 02 2006

Rev. 02/02/06

FEE TRANSMITTAL For FY 2006 <small>Patent fees are subject to annual revision</small>				Complete if Known																																																																																																																																																																							
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27				Application Number:	10/665,455																																																																																																																																																																						
TOTAL AMOUNT OF PAYMENT: 225.00				Filing Date:	9/18/2003																																																																																																																																																																						
METHOD OF PAYMENT (check all that apply)				First Named Inventor:	Arlene A. Wise																																																																																																																																																																						
1. <input checked="" type="checkbox"/> The commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number: 12-2150 Deposit Account Name: Los Alamos National Laboratory 2. <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 C.F.R. 1.16 and 1.17				Examiner Name:	D. Ramirez																																																																																																																																																																						
FEE CALCULATION (continued)				Group/Art Unit:	1652																																																																																																																																																																						
1. COMBINED FILING FEE <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1001</td> <td>2001</td> <td>\$300</td> <td>\$150</td> <td>Basic Filing fee</td> <td>\$0.00</td> </tr> <tr> <td>1004</td> <td>2004</td> <td>\$300</td> <td>\$150</td> <td>Reissue Filing fee</td> <td>\$</td> </tr> <tr> <td>1111</td> <td>2111</td> <td>\$500</td> <td>\$250</td> <td>Search Fee</td> <td>\$0.00</td> </tr> <tr> <td>1311</td> <td>2311</td> <td>\$200</td> <td>\$100</td> <td>Examination Fee</td> <td>\$0.00</td> </tr> <tr> <td>1005</td> <td>2005</td> <td>\$200</td> <td>\$100</td> <td>Provisional Filing Fee</td> <td></td> </tr> <tr> <td>1085</td> <td>2085</td> <td>\$250</td> <td>\$125</td> <td>Provisional Size Fee</td> <td></td> </tr> </tbody> </table> (for each additional 50 sheets that exceeds 100 sheets) SUBTOTAL (1) \$00.00				Large Entity	Small Entity	Fee	Fee Description	Fee Paid	1001	2001	\$300	\$150	Basic Filing fee	\$0.00	1004	2004	\$300	\$150	Reissue Filing fee	\$	1111	2111	\$500	\$250	Search Fee	\$0.00	1311	2311	\$200	\$100	Examination Fee	\$0.00	1005	2005	\$200	\$100	Provisional Filing Fee		1085	2085	\$250	\$125	Provisional Size Fee		Attorney Docket No.:	S-100,654																																																																																																																													
Large Entity	Small Entity	Fee	Fee Description	Fee Paid																																																																																																																																																																							
1001	2001	\$300	\$150	Basic Filing fee	\$0.00																																																																																																																																																																						
1004	2004	\$300	\$150	Reissue Filing fee	\$																																																																																																																																																																						
1111	2111	\$500	\$250	Search Fee	\$0.00																																																																																																																																																																						
1311	2311	\$200	\$100	Examination Fee	\$0.00																																																																																																																																																																						
1005	2005	\$200	\$100	Provisional Filing Fee																																																																																																																																																																							
1085	2085	\$250	\$125	Provisional Size Fee																																																																																																																																																																							
2. EXTRA CLAIM FEES/APPLICATION SIZE FEE <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1202</td> <td>2202</td> <td>\$50</td> <td>\$25</td> <td>Claims in excess of 20</td> <td></td> </tr> <tr> <td>1201</td> <td>2201</td> <td>\$200</td> <td>\$100</td> <td>Independent claims in excess of 3</td> <td></td> </tr> <tr> <td>1203</td> <td>2203</td> <td>\$360</td> <td>\$180</td> <td>Multiple dependent claim, if not paid.</td> <td></td> </tr> <tr> <td>1204</td> <td>2204</td> <td>\$200</td> <td>\$100</td> <td>Reissue independent claims in excess of 3 over original patent</td> <td></td> </tr> <tr> <td>1206</td> <td>2206</td> <td>\$50</td> <td>\$25</td> <td>Reissue claims in excess of 20 over original patent</td> <td></td> </tr> </tbody> </table> Total Claims Fee \$ _____ APPLICATION SIZE FEE 1081 \$250 2081 \$125.00 For each additional 50 sheets that exceed 100 sheets, including specification and drawings SUBTOTAL (2) \$ _____ (Include total of Claims Fees and Size Fee here)				Large Entity	Small Entity	Fee	Fee Description	Fee Paid	1202	2202	\$50	\$25	Claims in excess of 20		1201	2201	\$200	\$100	Independent claims in excess of 3		1203	2203	\$360	\$180	Multiple dependent claim, if not paid.		1204	2204	\$200	\$100	Reissue independent claims in excess of 3 over original patent		1206	2206	\$50	\$25	Reissue claims in excess of 20 over original patent		3. ADDITIONAL FEES <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>2051</td> <td>\$130</td> <td>\$65</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>1052</td> <td>2052</td> <td>\$50</td> <td>\$25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>1812</td> <td>2520/1812</td> <td>\$2520</td> <td>\$2520</td> <td>For filing a request for reexamination</td> <td></td> </tr> <tr> <td>1251</td> <td>2251</td> <td>\$120</td> <td>\$60</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252</td> <td>2252</td> <td>\$450</td> <td>\$225</td> <td>Extension for reply within second month</td> <td>225.00</td> </tr> <tr> <td>1253</td> <td>2253</td> <td>\$1020</td> <td>\$510</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254</td> <td>2254</td> <td>\$1590</td> <td>\$795</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255</td> <td>2255</td> <td>\$2160</td> <td>\$1080</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1401</td> <td>2401</td> <td>\$500</td> <td>\$250</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>1402</td> <td>2402</td> <td>\$500</td> <td>\$250</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403</td> <td>2403</td> <td>\$1000</td> <td>\$500</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1452</td> <td>2452</td> <td>\$500</td> <td>\$250</td> <td>Petition to revive - unavoidable</td> <td></td> </tr> <tr> <td>1814</td> <td>2814</td> <td>\$110</td> <td>\$55</td> <td>Terminal Disclaimer</td> <td></td> </tr> <tr> <td>1453</td> <td>2453</td> <td>\$1500</td> <td>\$750</td> <td>Petition to revive - unintentional</td> <td></td> </tr> <tr> <td>1460</td> <td>2460</td> <td>\$130</td> <td>\$130</td> <td>Petitions to the Director</td> <td></td> </tr> <tr> <td>1806</td> <td>2806</td> <td>\$180</td> <td>\$180</td> <td>Submission of Information Disclosure Statement</td> <td></td> </tr> <tr> <td>1809</td> <td>2809</td> <td>\$790</td> <td>\$395</td> <td>Filing a submission after final rejection (37 CFR 1.129 (a))</td> <td></td> </tr> <tr> <td>1810</td> <td>2810</td> <td>\$790</td> <td>\$395</td> <td>For each additional invention to be examined (37 CFR 1.129(b))</td> <td></td> </tr> <tr> <td>1811</td> <td>2811</td> <td>\$100</td> <td>\$100</td> <td>Certificate of Correction</td> <td></td> </tr> <tr> <td>1504</td> <td>2504</td> <td>\$300</td> <td>\$300</td> <td>Publication fee for early, voluntary, or normal publication/Republishing fee</td> <td></td> </tr> <tr> <td>1801</td> <td>2801</td> <td>\$790</td> <td>\$395</td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> </tbody> </table> Other fee (specify) _____ SUBTOTAL (3) \$ _____ Reduced by Basic Filing Fee Paid		Large Entity	Small Entity	Fee	Fee Description	Fee Paid	1051	2051	\$130	\$65	Surcharge - late filing fee or oath		1052	2052	\$50	\$25	Surcharge - late provisional filing fee or cover sheet		1812	2520/1812	\$2520	\$2520	For filing a request for reexamination		1251	2251	\$120	\$60	Extension for reply within first month		1252	2252	\$450	\$225	Extension for reply within second month	225.00	1253	2253	\$1020	\$510	Extension for reply within third month		1254	2254	\$1590	\$795	Extension for reply within fourth month		1255	2255	\$2160	\$1080	Extension for reply within fifth month		1401	2401	\$500	\$250	Notice of Appeal		1402	2402	\$500	\$250	Filing a brief in support of an appeal		1403	2403	\$1000	\$500	Request for oral hearing		1452	2452	\$500	\$250	Petition to revive - unavoidable		1814	2814	\$110	\$55	Terminal Disclaimer		1453	2453	\$1500	\$750	Petition to revive - unintentional		1460	2460	\$130	\$130	Petitions to the Director		1806	2806	\$180	\$180	Submission of Information Disclosure Statement		1809	2809	\$790	\$395	Filing a submission after final rejection (37 CFR 1.129 (a))		1810	2810	\$790	\$395	For each additional invention to be examined (37 CFR 1.129(b))		1811	2811	\$100	\$100	Certificate of Correction		1504	2504	\$300	\$300	Publication fee for early, voluntary, or normal publication/Republishing fee		1801	2801	\$790	\$395	Request for Continued Examination (RCE)	
Large Entity	Small Entity	Fee	Fee Description	Fee Paid																																																																																																																																																																							
1202	2202	\$50	\$25	Claims in excess of 20																																																																																																																																																																							
1201	2201	\$200	\$100	Independent claims in excess of 3																																																																																																																																																																							
1203	2203	\$360	\$180	Multiple dependent claim, if not paid.																																																																																																																																																																							
1204	2204	\$200	\$100	Reissue independent claims in excess of 3 over original patent																																																																																																																																																																							
1206	2206	\$50	\$25	Reissue claims in excess of 20 over original patent																																																																																																																																																																							
Large Entity	Small Entity	Fee	Fee Description	Fee Paid																																																																																																																																																																							
1051	2051	\$130	\$65	Surcharge - late filing fee or oath																																																																																																																																																																							
1052	2052	\$50	\$25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																							
1812	2520/1812	\$2520	\$2520	For filing a request for reexamination																																																																																																																																																																							
1251	2251	\$120	\$60	Extension for reply within first month																																																																																																																																																																							
1252	2252	\$450	\$225	Extension for reply within second month	225.00																																																																																																																																																																						
1253	2253	\$1020	\$510	Extension for reply within third month																																																																																																																																																																							
1254	2254	\$1590	\$795	Extension for reply within fourth month																																																																																																																																																																							
1255	2255	\$2160	\$1080	Extension for reply within fifth month																																																																																																																																																																							
1401	2401	\$500	\$250	Notice of Appeal																																																																																																																																																																							
1402	2402	\$500	\$250	Filing a brief in support of an appeal																																																																																																																																																																							
1403	2403	\$1000	\$500	Request for oral hearing																																																																																																																																																																							
1452	2452	\$500	\$250	Petition to revive - unavoidable																																																																																																																																																																							
1814	2814	\$110	\$55	Terminal Disclaimer																																																																																																																																																																							
1453	2453	\$1500	\$750	Petition to revive - unintentional																																																																																																																																																																							
1460	2460	\$130	\$130	Petitions to the Director																																																																																																																																																																							
1806	2806	\$180	\$180	Submission of Information Disclosure Statement																																																																																																																																																																							
1809	2809	\$790	\$395	Filing a submission after final rejection (37 CFR 1.129 (a))																																																																																																																																																																							
1810	2810	\$790	\$395	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																							
1811	2811	\$100	\$100	Certificate of Correction																																																																																																																																																																							
1504	2504	\$300	\$300	Publication fee for early, voluntary, or normal publication/Republishing fee																																																																																																																																																																							
1801	2801	\$790	\$395	Request for Continued Examination (RCE)																																																																																																																																																																							
SUBMITTED BY Printed Name: Bruce H. Cottrell Signature: <i>Bruce H. Cottrell</i> Date: <i>Oct 2, 2006</i>				Complete (if applicable) Reg. No. 30,620 Telephone (505) 667-9168																																																																																																																																																																							
SUBTOTAL FROM 1 \$-0- SUBTOTAL FROM 2 \$-0- SUBTOTAL FROM 3 \$225.00 TOTAL AMOUNT OF PAYMENT \$225.00 (Enter total amount at top of page)																																																																																																																																																																											

OCT 02 2006

Rev. 06/04/04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Arlene A. Wise

Docket No.: S-100,654

Serial No.: 10/665,455

Examiner: D. Ramirez

Filed : 9/18/2003

Art Unit: 1652

For : DETECTION OF PHENOLS USING ENGINEERED BACTERIA

Customer No. 35068

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450**RESPONSE TO SUPPLEMENTAL RESTRICTION REQUIREMENT
AND AMENDMENT**

Sir:

In response to the Supplemental Restriction Requirement set forth in the Office Action dated July 3, 2006, please enter the election made on page 2 of this paper, and consider the Remarks on page 9 of this paper. A current listing of claims begins on page 4 of this paper.

Please also enter the amendments to the specification, which begin on page 3 of this paper, and consider the corresponding remarks on page 9 of this paper.

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

MAILING

☐ deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

FACSIMILE

☒ transmitted by facsimile to the United States Patent and Trademark Office (571) 273-8300

Sharon Ruminer
Signature

Date 10/02/2006

Sharon Ruminer
(type or print name of person certifying)

10/03/2006 TL0111 00000078 122150 10665455

01 FC:2252 225.00 DA

SN 10/665,455
Docket No. S-100,654
In Response to Office Action dated 03 July 2006

RECEIVED
CENTRAL FAX CENTER
OCT 02 2006

ELECTION PURSUANT TO SUPPLEMENTAL RESTRICTION REQUIREMENT:

The Office requires further restriction of previously elected Group I claims 9-21 and 25. In reply, applicants elect Group Ia, claims 9-21 and 25, drawn in part to a method of detecting a phenolic compound using a mutant labeled DmpR-B21 (SEQ ID NO: 3). This election is made without traverse.